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SHEET LY U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy there

1. Name of conveying party(ies): CHE-CHI HUANG 5-11-04 Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies) Name: GENESYS LOGIC, INC. Internal Address: Street Address: 12F, No. 205, Beishin Road, Section 3, Shindian City City: Taipei 231, Taiwan, R.O.C. Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance: [X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other Execution Date: 4/22/2004

4. Application number(s) or patent number(s): 10842568 If this document is being filed together with a new application, the execution date of the application is: 4/22/04 A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed: Name: Morton J. Rosenberg, Esq. Internal Address: Rosenberg, Klein & Lee Street Address: 3458 Ellicott Center Drive, Suite 101 City: Ellicott City State: MD Zip: 21043

6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41): \$ 40.00 [X] Enclosed [] Authorized to be charged to deposit account 8. Deposit account number: 18-2011

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9. Signature. Morton J. Rosenberg Name of Person Signing [Signature] Signature 5/10/04 Date

Total number of pages including cover sheet, attachments, and documents: 2

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

05/12/2004 AABDF01 00000099 10842568 03 PD:8081 40.00

ASSIGNMENT DEED

This Assignment agreement is applicable to an invention entitled (invention Title) Method and Apparatus for Parallely Processing Data and Error Correction Code in Memory

The PATENT RIGHTS referred to in this agreement are:

(Check one) a Patent Application for this invention, executed by the ASSIGNOR(s) concurrently with this Assignment.

- U.S. Patent Application Serial No. _____, filed _____
 U.S. Patent No. _____, issued _____

The PATENT RIGHTS assigned under this agreement are:

(Check one) U.S. Patent rights only
 worldwide Patent rights. In this case, the Assignee shall have the right to claim the benefit of the filing date of any U.S. Patent Application identified above.

The ASSIGNOR(s) referred to in this agreement is (or are):

(Full name of sole or first inventor) Che-Chi HUANG
(Address) 16F.-1, No.282-1, Jhongsing Road Section 1, Shindian City, Taipei 231, Taiwan, R.O.C.

(Full name of second joint inventor, if any) _____
(Address) _____

(Full name of third joint inventor, if any) _____
(Address) _____

(Full name of fourth joint inventor, if any) _____
(Address) _____

The First ASSIGNEE referred to in this agreement is:

(Name of Assignee) GENESYS LOGIC, INC.
(Address of Assignee) 12F., NO. 205, BEISHIN ROAD SECTION 3, SHINDIAN CITY, TAIPEI 231, TAIWAN, R.O.C.

The Second ASSIGNEE referred to in this agreement is:

(Name of Assignee) _____
(Address of Assignee) _____

The First ASSIGNEE is:

(Check one) an individual
 a partnership
 a corporation of TAIWAN, R.O.C.
(State or Country)

The Second ASSIGNEE is:

(Check one) an individual
 a partnership
 a corporation of _____
(State or Country)

Additional assignees are being named on separately numbered sheets attached hereto.

The ASSIGNOR(s), in consideration of \$1.00 paid by each ASSIGNEE, and other good and valuable consideration, receipt of which is acknowledged, have and do hereby assign the following to each ASSIGNEE; their successors and assigns:
the full and exclusive right to the invention;
an equal interest in and to the entire right, title and interest in and to the PATENT RIGHTS; and
the right to claim priority under 35 U.S.C. 119, based on any earlier foreign applications for this invention.

As to all U.S. Patent Applications assigned under this agreement, the ASSIGNOR(s) hereby authorize(s) and requests the Commissioner of Patents and Trademarks to issue all Letters Patent to the ASSIGNEE(s) as the ASSIGNEE(s) of an equal interest in the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEE(s), their successors and assigns.

Further, the ASSIGNOR(s) agree(s) to communicate to said ASSIGNEE(s), or their representatives, any facts known to the ASSIGNOR(s) respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to be issued to said ASSIGNEE(s), make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE(s), their successors and assigns, to obtain and enforce proper protection for said invention.

Che-Chi Huang CHE-CHI HUANG Apr 22, 2004
(Signature of sole or first inventor) (HUANG IS FAMILY NAME) (Date)

(Signature of second inventor, if any) (Date)

(Signature of third inventor, if any) (Date)

(Signature of fourth inventor, if any) (Date)